

# Firefly Atlas Data Sheet: Glow-worm Species

## Site & Survey Information

Name of primary observer:	Number of observers:	Names of additional observers:	Date:
Site Name:		Latitude (decimal degrees) *:	Longitude (decimal degrees) *:
Location precision (meters): <input type="checkbox"/> 0-25 <input type="checkbox"/> 26-50 <input type="checkbox"/> 51-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501-1000 <input type="checkbox"/> >1000		Elevation (meters):	Approximate Area Searched (hectares) **:
Survey start time:	Survey end time:	Target species:	

\*include at least 5 decimal places; \*\*1 hectare= 10,000 square meters= 100 meters x 100 meters= 1,000 meters x 10 meters= about 2.5 acres

## Weather and Moon Conditions

Time of sunset:	Moonlight (check one) *: <input type="checkbox"/> none <input type="checkbox"/> partial <input type="checkbox"/> bright	Cloud cover (check one): <input type="checkbox"/> clear (0-20%) <input type="checkbox"/> mostly clear (21-40%) <input type="checkbox"/> partly cloudy (41-60%) <input type="checkbox"/> mostly cloudy (61-80%) <input type="checkbox"/> overcast (81-100%)
Beaufort Wind Scale (circle one)  0 calm, <1 mph 1 light air, 1-3 mph 2 light breeze, 4-7 mph, wind felt on face 3 gentle breeze, 8-12 mph, leaves & twigs in constant motion 4 moderate breeze, 13-18 mph, dust blows in wind 5 fresh breeze, 19-24 mph, small trees sway	Precipitation (check one): <input type="checkbox"/> Dry <input type="checkbox"/> Ground wet (recent rain) <input type="checkbox"/> Rain	
	Humidity (%):	Humidity method: <input type="checkbox"/> measured on-site <input type="checkbox"/> weather app or website
	Temperature at start time (F):	Temperature method: <input type="checkbox"/> measured on-site <input type="checkbox"/> weather app or website
	Temperature at end-time (F):	

\*Partial moonlight= cloud-covered, crescent phase, partly blocked by topography or vegetation; Bright moonlight= unobstructed, quarter, gibbous or full phases

## Artificial Light

Types (circle all that apply) *:	Sky glow	Light trespass	Glare
Sources (circle all that apply):	Vehicles	Street lights	Buildings            Other:
Artificial Light Notes:			

\*Sky glow= yellow haze in sky; Light trespass= lit-up ground or vegetation; Glare= bright light causing visual discomfort

## Habitat Information

Habitat Type (circle closest fit)	Examples	Habitat Notes (natural community type, dominant plant species):
Grassland/Meadow	Meadow, open, grasses dominant	
Woodland/Forest	Trees dominant, and in the over-story	
Shrub/Scrub	Arid, shrubs present and abundant	
Riparian Areas	Along lake or stream	
Tidal Marsh	Salt marsh or brackish marsh	
Open Freshwater Wetland	Bog, fen, freshwater marsh	
Forested Wetland	Swamp, cedar bog, mangrove	
Developed	Dominated by buildings and pavement	

## Habitat Management

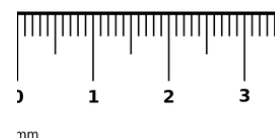
I see evidence of, or know that the following have occurred in or adjacent to the site:	Management Notes (optional):
Mowing (for hay, aesthetics or wildlife management)	
Livestock grazing	
Crop growing	
Prescribed fire	
Logging	
Herbicide use	
Other pesticide (insecticide, fungicide) use	

## General Survey Notes (optional)

Species:
Approximate number observed during the survey: <input type="checkbox"/> 1 <input type="checkbox"/> 2-10 <input type="checkbox"/> 11-50 <input type="checkbox"/> >50
Observation Notes (sexes, life-stages, microhabitats, glow descriptions, behaviors):
Photo identifiers (image # or time):

Species:
Approximate number observed during the survey: <input type="checkbox"/> 1 <input type="checkbox"/> 2-10 <input type="checkbox"/> 11-50 <input type="checkbox"/> >50
Observation Notes (sexes, life-stages, microhabitats, glow descriptions, behaviors):
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Approximately 35 mm when printed on 8.5 x 11 paper.